

FIGURE 1

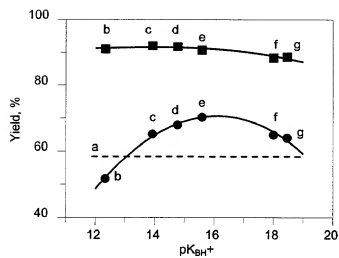


FIGURE 2

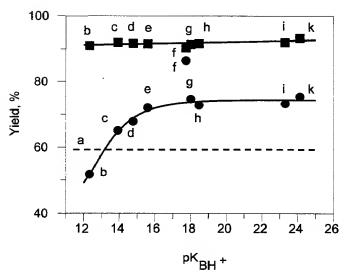


FIGURE 3

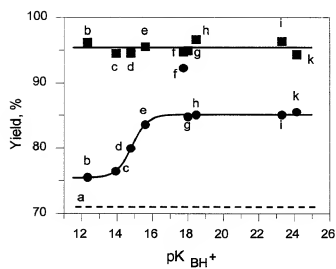


Figure 4.  $^{31}\text{P}$  NMR Spectrum of **3a** in gel phase ( $\text{CD}_3\text{CN}$  as a liquid phase).

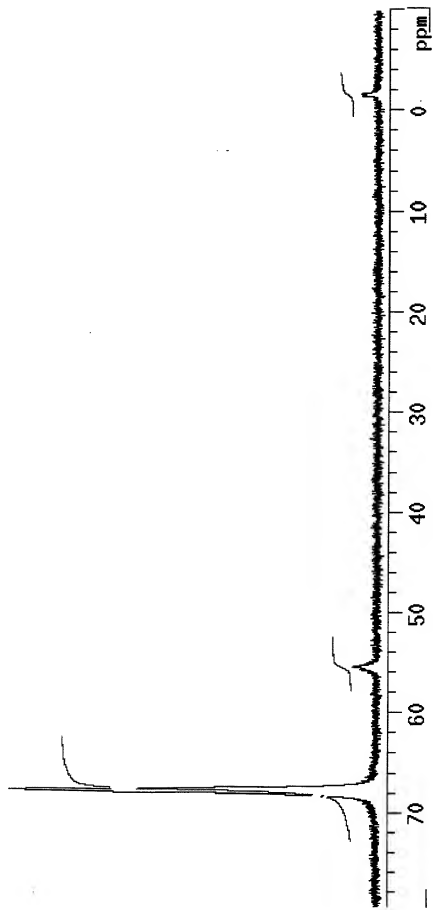


Figure 5.  $^3\text{P}$  NMR Spectrum of **4a** in Gel Phase (1M Piperidine in  $\text{CD}_3\text{CN}$  as a liquid phase).

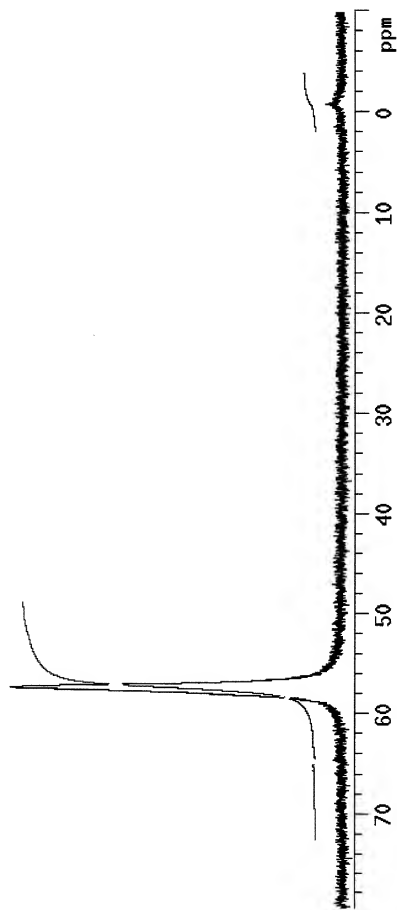


Figure 6.  $^{31}\text{P}$  NMR Spectrum of **6a** in Gel Phase (5% Pyridine in  $\text{CD}_3\text{CN}$  as a liquid phase).

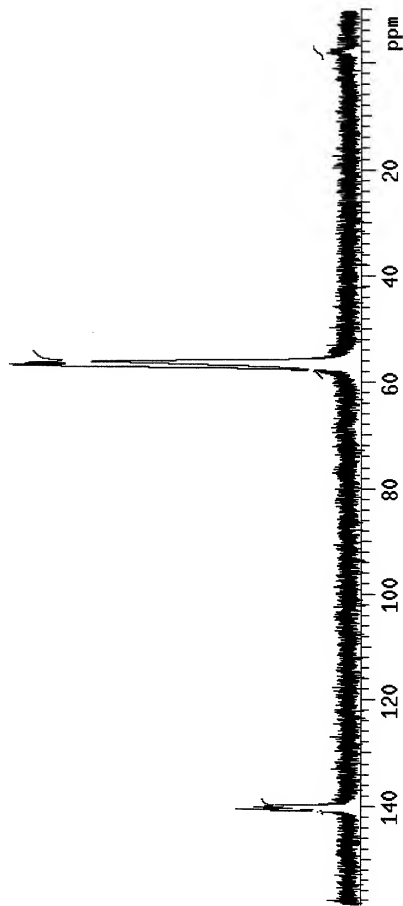


Figure 7.  $^{31}\text{P}$  NMR Spectrum of **7a** in Gel Phase (5% Pyridine in  $\text{CD}_3\text{CN}$  as a liquid phase).

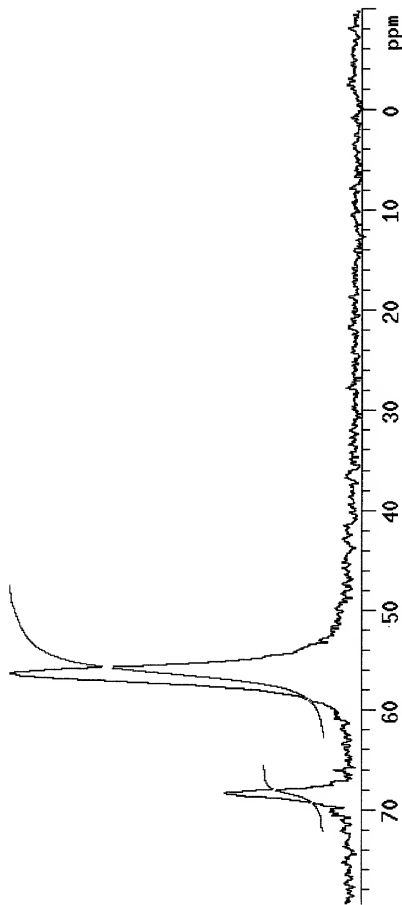
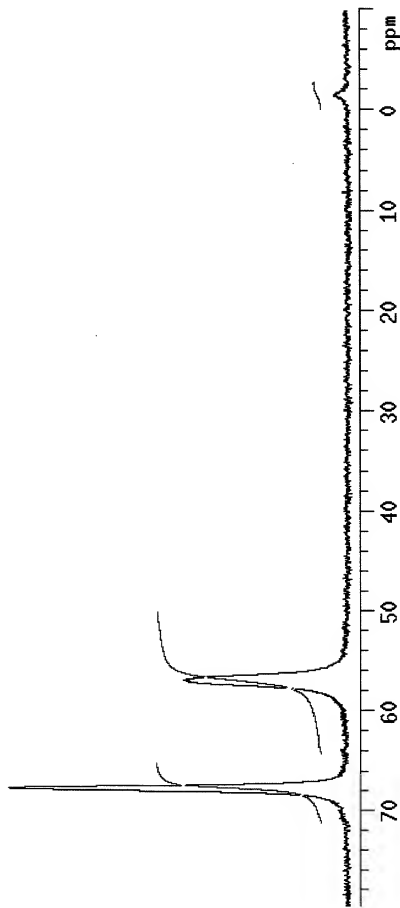


Figure 8.  $^{31}\text{P}$  NMR Spectrum of **8a** in Gel Phase (5% Pyridine in  $\text{CD}_3\text{CN}$  as a liquid phase).





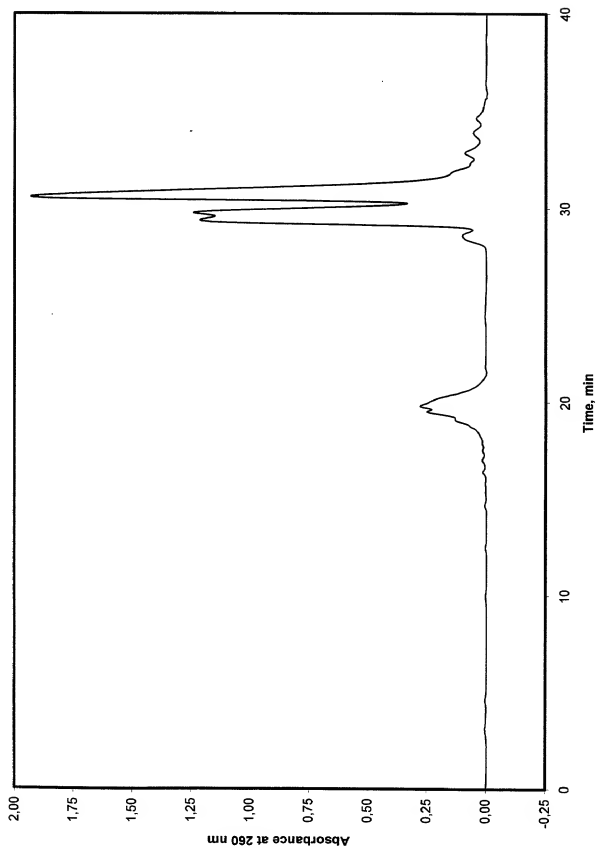


Figure 10.  $^{31}\text{P}$  NMR Spectrum of **4b** in Gel Phase (1M Piperidine in  $\text{CD}_3\text{CN}$  as a liquid phase).

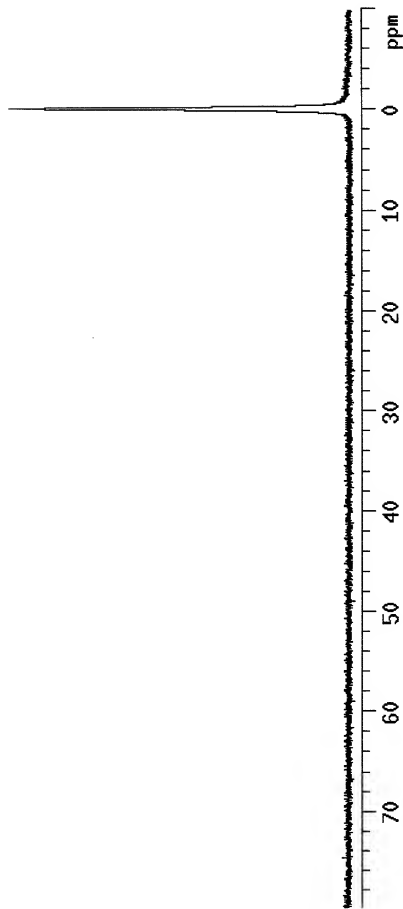


Figure 11.  $^{31}\text{P}$  NMR Spectrum of **8b** in Gel Phase (5% Pyridine in  $\text{CD}_3\text{CN}$  as a liquid phase).

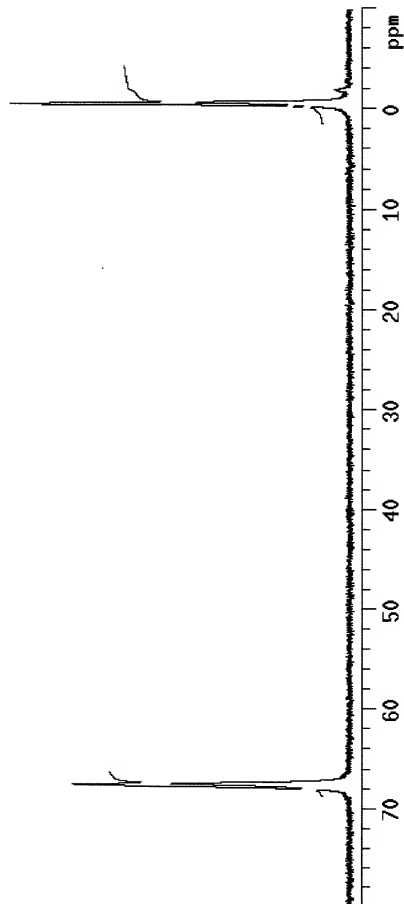


Figure 12. Reverse Phase HPLC Profile for Oligonucleotide **9b** Obtained Using the Standard Cycle (Crude Deprotection Mixture).

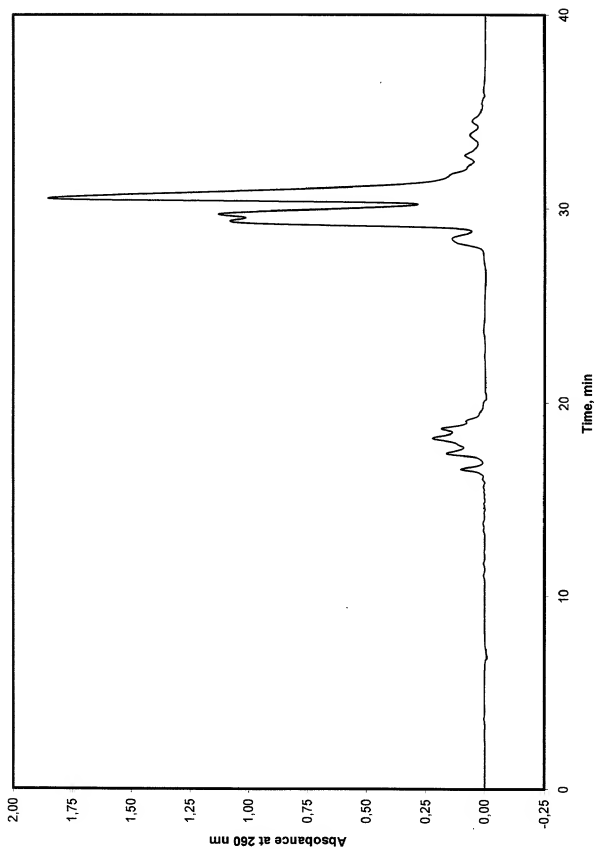
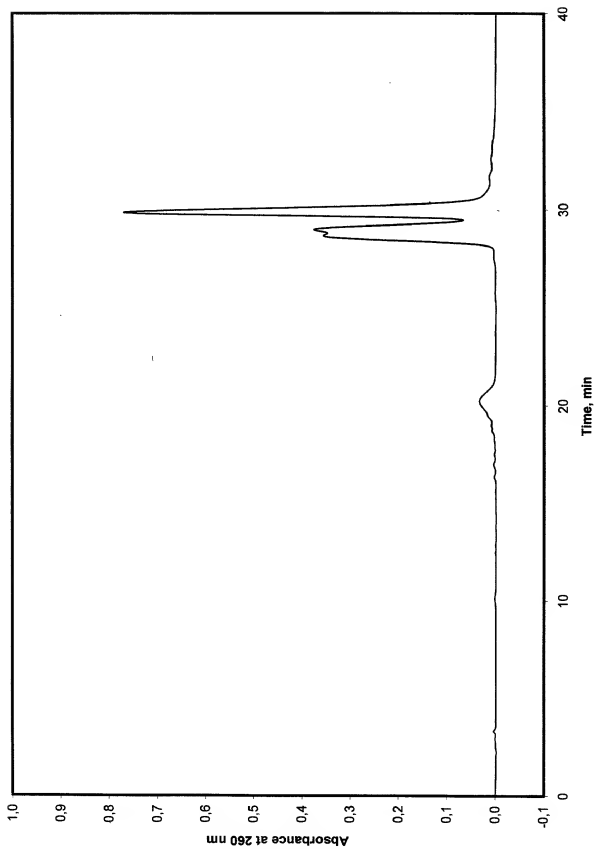


Figure 13. Reverse Phase HPLC Profile for Oligonucleotide **16a** Obtained Using the Standard Cycle (Crude Deprotection Mixture).



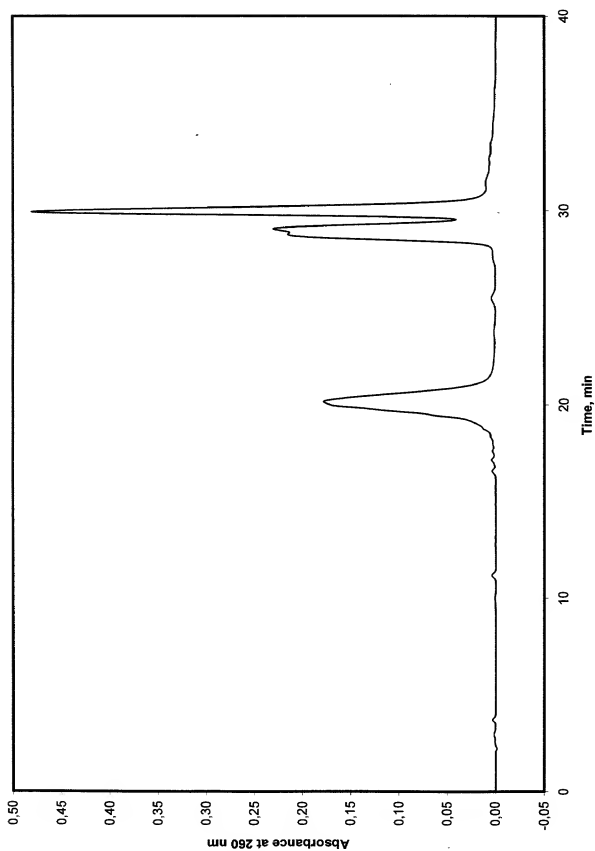
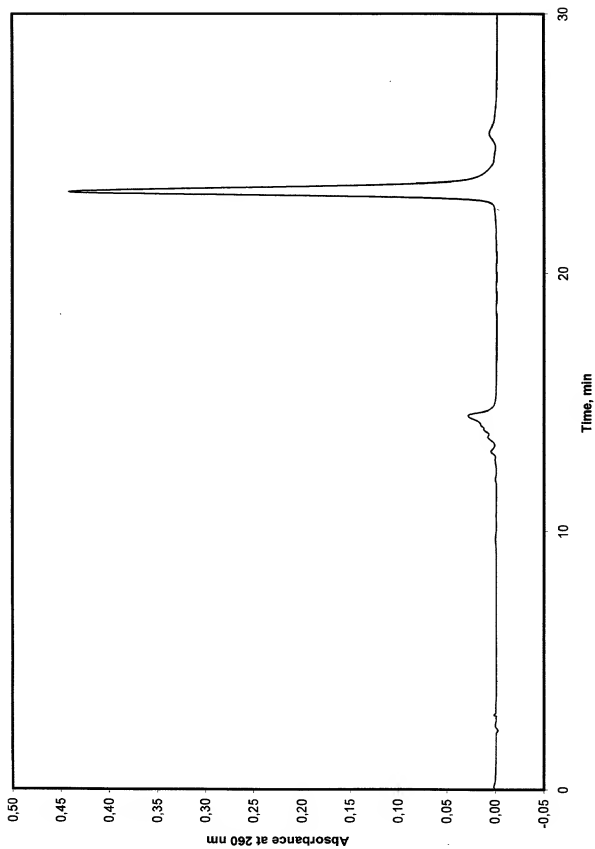


Figure 15. Reverse Phase HPLC Profile for Oligonucleotide **16b** Obtained Using the Standard Cycle (Crude Deprotection Mixture).



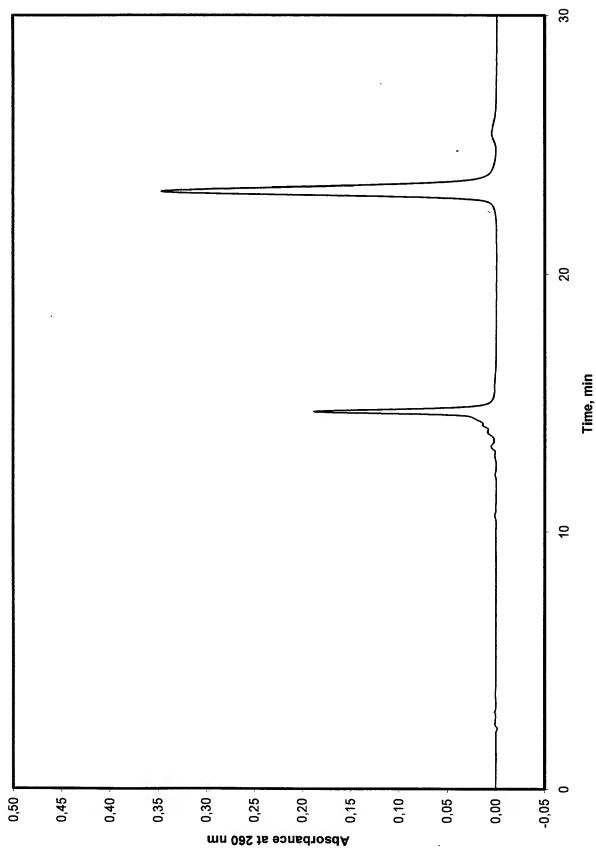




Figure 17. Reverse Phase HPLC Profile for Oligonucleotide **16a** Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

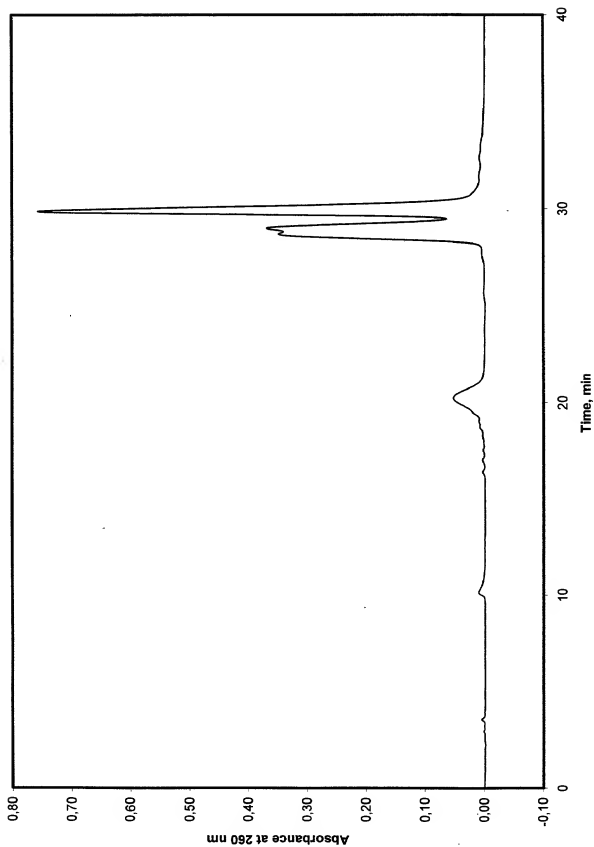


Figure 18. Reverse Phase HPLC Profile for Oligonucleotide **18a** Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

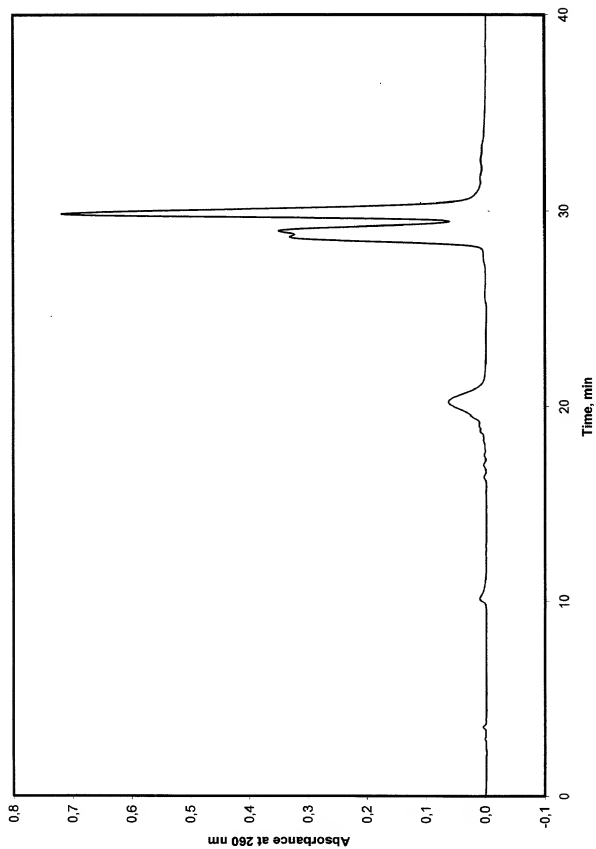


Figure 19. Reverse Phase HPLC Profile for Oligonucleotide **16b** Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

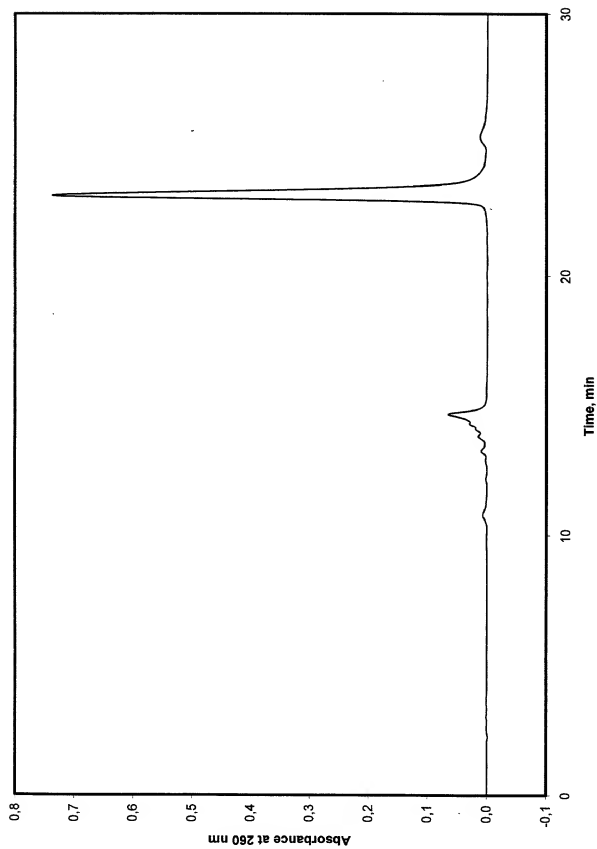


Figure 20. Reverse Phase HPLC Profile for Oligonucleotide **18b** Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

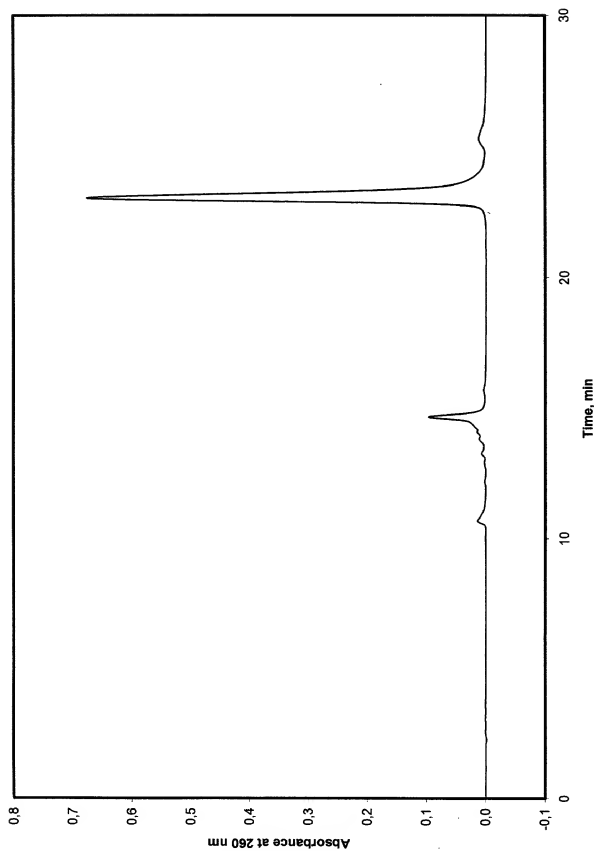


Figure 21. Reverse Phase HPLC Profile for Oligonucleotide **32a** Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

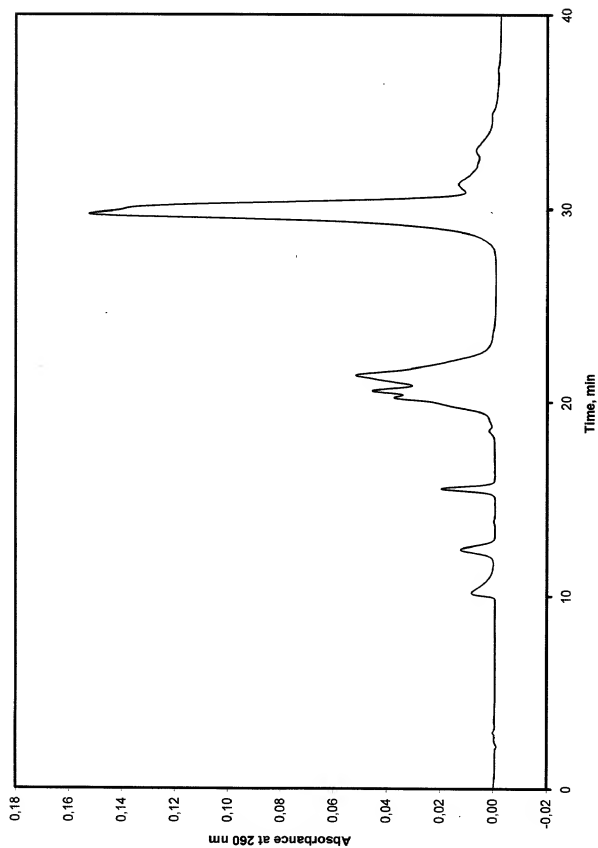


Figure 22. Reverse Phase HPLC Profile for Oligonucleotide **32b** Obtained Using the Optimized Cycle (Crude Deprotection Mixture).

